

Halfwidth and Fullwidth Forms

Range: FF00–FFEF

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 6.0*.

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See <http://www.unicode.org/charts/> for access to a complete list of the latest character code charts. See <http://www.unicode.org/charts/PDF/Unicode-6.0/> for charts showing only the characters added in Unicode 6.0. See <http://www.unicode.org/Public/6.0.0/charts/> for a complete archived file of character code charts for Unicode 6.0.

Disclaimer

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 6.0 but do not provide all the information needed to fully support individual scripts using the Unicode Standard. For a complete understanding of the use of the characters contained in this file, please consult the appropriate sections of The Unicode Standard, Version 6.0, online at <http://www.unicode.org/versions/Unicode6.0.0/>, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, #34, #38, #41, #42, and #44, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available online.

See <http://www.unicode.org/ucd/> and <http://www.unicode.org/reports/>

A thorough understanding of the information contained in these additional sources is required for a successful implementation.

Fonts

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See <http://www.unicode.org/charts/fonts.html> for a list.

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See <http://www.unicode.org/pending/pending.html> and <http://www.unicode.org/alloc/Pipeline.html>.

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	FF0	FF1	FF2	FF3	FF4	FF5	FF6	FF7	FF8	FF9	FFA	FFB	FFC	FFD	FFE
0		0 FF10	@ FF20	P FF30	` FF40	p FF50) FF60	ー FF70	夕 FF80	ミ FF90	 FFA0	舌 FFB0			¢ FFE0
1	! FF01	1 FF11	A FF21	Q FF31	a FF41	q FF51	。 FF61	ア FF71	チ FF81	ム FF91	㇀ FFA1	口 FFB1			£ FFE1
2	" FF02	2 FF12	B FF22	R FF32	b FF42	r FF52	「 FF62	イ FF72	ツ FF82	メ FF92	㇁ FFA2	日 FFB2	卜 FFC2	止 FFD2	┌ FFE2
3	# FF03	3 FF13	C FF23	S FF33	c FF43	s FF53	」 FF63	ウ FF73	テ FF83	モ FF93	㇂ FFA3	冊 FFB3	冊 FFC3	㇃ FFD3	┐ FFE3
4	\$ FF04	4 FF14	D FF24	T FF34	d FF44	t FF54	、 FF64	エ FF74	ト FF84	ヤ FF94	㇄ FFA4	㇅ FFB4	㇆ FFC4	㇇ FFD4	丨 FFE4
5	% FF05	5 FF15	E FF25	U FF35	e FF45	u FF55	・ FF65	オ FF75	ナ FF85	ユ FF95	㇈ FFA5	入 FFB5	冊 FFC5	冊 FFD5	¥ FFE5
6	& FF06	6 FF16	F FF26	V FF36	f FF46	v FF56	ヲ FF66	カ FF76	ニ FF86	ヨ FF96	㇉ FFA6	㇊ FFB6	㇋ FFC6	㇌ FFD6	W FFE6
7	' FF07	7 FF17	G FF27	W FF37	g FF47	w FF57	ア FF67	キ FF77	ヌ FF87	㇍ FF97	㇎ FFA7	㇏ FFB7	冊 FFC7	冊 FFD7	
8	(FF08	8 FF18	H FF28	X FF38	h FF48	x FF58	イ FF68	ク FF78	ネ FF88	リ FF98	㇐ FFA8	㇑ FFB8			丨 FFE8
9	) FF09	9 FF19	I FF29	Y FF39	i FF49	y FF59	ウ FF69	ケ FF79	ノ FF89	ル FF99	己 FFA9	㇒ FFB9			← FFE9
A	* FF0A	: FF1A	J FF2A	Z FF3A	j FF4A	z FF5A	エ FF6A	コ FF7A	ハ FF8A	レ FF9A	㇓ FFA9	㇔ FFBA	㇕ FFCA	一 FFDA	↑ FFEA
B	+ FF0B	; FF1B	K FF2B	[FF3B	k FF4B	{ FF5B	オ FF6B	サ FF7B	ヒ FF8B	ロ FF9B	㇖ FFAB	㇗ FFBB	㇘ FFCB	㇙ FFDB	→ FFEB
C	, FF0C	< FF1C	L FF2C	\ FF3C	l FF4C	| FF5C	ヤ FF6C	シ FF7C	フ FF8C	ワ FF9C	㇚ FFAC	㇛ FFBC	㇜ FFCC	㇝ FFDC	↓ FFEC
D	— FF0D	= FF1D	M FF2D	] FF3D	m FF4D	} FF5D	ユ FF6D	ス FF7D	ヘ FF8D	ン FF9D	㇞ FFAD	㇟ FFBD	㇠ FFCD		■ FFED
E	. FF0E	> FF1E	N FF2E	^ FF3E	n FF4E	~ FF5E	ヨ FF6E	セ FF7E	ホ FF8E	ゝ FF9E	㇡ FFAE	㇢ FFBE	㇣ FFCE		○ FFEE
F	/ FF0F	? FF1F	O FF2F	_ FF3F	o FF4F	(FF5F	ッ FF6F	ソ FF7F	マ FF8F	。 FF9F	㇤ FFAF		㇥ FFCF		

Fullwidth ASCII variants*See ASCII 0020 - 007E*

FF01	!	FULLWIDTH EXCLAMATION MARK ≈ <wide> 0021 !	FF1F	?	FULLWIDTH QUESTION MARK ≈ <wide> 003F ?
FF02	"	FULLWIDTH QUOTATION MARK ≈ <wide> 0022 "	FF20	@	FULLWIDTH COMMERCIAL AT ≈ <wide> 0040 @
FF03	#	FULLWIDTH NUMBER SIGN ≈ <wide> 0023 #	FF21	A	FULLWIDTH LATIN CAPITAL LETTER A ≈ <wide> 0041 A
FF04	\$	FULLWIDTH DOLLAR SIGN ≈ <wide> 0024 \$	FF22	B	FULLWIDTH LATIN CAPITAL LETTER B ≈ <wide> 0042 B
FF05	%	FULLWIDTH PERCENT SIGN ≈ <wide> 0025 %	FF23	C	FULLWIDTH LATIN CAPITAL LETTER C ≈ <wide> 0043 C
FF06	&	FULLWIDTH AMPERSAND ≈ <wide> 0026 &	FF24	D	FULLWIDTH LATIN CAPITAL LETTER D ≈ <wide> 0044 D
FF07	'	FULLWIDTH APOSTROPHE ≈ <wide> 0027 '	FF25	E	FULLWIDTH LATIN CAPITAL LETTER E ≈ <wide> 0045 E
FF08	(	FULLWIDTH LEFT PARENTHESIS ≈ <wide> 0028 (	FF26	F	FULLWIDTH LATIN CAPITAL LETTER F ≈ <wide> 0046 F
FF09	)	FULLWIDTH RIGHT PARENTHESIS ≈ <wide> 0029)	FF27	G	FULLWIDTH LATIN CAPITAL LETTER G ≈ <wide> 0047 G
FF0A	*	FULLWIDTH ASTERISK ≈ <wide> 002A *	FF28	H	FULLWIDTH LATIN CAPITAL LETTER H ≈ <wide> 0048 H
FF0B	+	FULLWIDTH PLUS SIGN ≈ <wide> 002B +	FF29	I	FULLWIDTH LATIN CAPITAL LETTER I ≈ <wide> 0049 I
FF0C	,	FULLWIDTH COMMA ≈ <wide> 002C ,	FF2A	J	FULLWIDTH LATIN CAPITAL LETTER J ≈ <wide> 004A J
FF0D	—	FULLWIDTH HYPHEN-MINUS ≈ <wide> 002D -	FF2B	K	FULLWIDTH LATIN CAPITAL LETTER K ≈ <wide> 004B K
FF0E	.	FULLWIDTH FULL STOP ≈ <wide> 002E .	FF2C	L	FULLWIDTH LATIN CAPITAL LETTER L ≈ <wide> 004C L
FF0F	/	FULLWIDTH SOLIDUS ≈ <wide> 002F /	FF2D	M	FULLWIDTH LATIN CAPITAL LETTER M ≈ <wide> 004D M
FF10	0	FULLWIDTH DIGIT ZERO ≈ <wide> 0030 0	FF2E	N	FULLWIDTH LATIN CAPITAL LETTER N ≈ <wide> 004E N
FF11	1	FULLWIDTH DIGIT ONE ≈ <wide> 0031 1	FF2F	O	FULLWIDTH LATIN CAPITAL LETTER O ≈ <wide> 004F O
FF12	2	FULLWIDTH DIGIT TWO ≈ <wide> 0032 2	FF30	P	FULLWIDTH LATIN CAPITAL LETTER P ≈ <wide> 0050 P
FF13	3	FULLWIDTH DIGIT THREE ≈ <wide> 0033 3	FF31	Q	FULLWIDTH LATIN CAPITAL LETTER Q ≈ <wide> 0051 Q
FF14	4	FULLWIDTH DIGIT FOUR ≈ <wide> 0034 4	FF32	R	FULLWIDTH LATIN CAPITAL LETTER R ≈ <wide> 0052 R
FF15	5	FULLWIDTH DIGIT FIVE ≈ <wide> 0035 5	FF33	S	FULLWIDTH LATIN CAPITAL LETTER S ≈ <wide> 0053 S
FF16	6	FULLWIDTH DIGIT SIX ≈ <wide> 0036 6	FF34	T	FULLWIDTH LATIN CAPITAL LETTER T ≈ <wide> 0054 T
FF17	7	FULLWIDTH DIGIT SEVEN ≈ <wide> 0037 7	FF35	U	FULLWIDTH LATIN CAPITAL LETTER U ≈ <wide> 0055 U
FF18	8	FULLWIDTH DIGIT EIGHT ≈ <wide> 0038 8	FF36	V	FULLWIDTH LATIN CAPITAL LETTER V ≈ <wide> 0056 V
FF19	9	FULLWIDTH DIGIT NINE ≈ <wide> 0039 9	FF37	W	FULLWIDTH LATIN CAPITAL LETTER W ≈ <wide> 0057 W
FF1A	:	FULLWIDTH COLON ≈ <wide> 003A :	FF38	X	FULLWIDTH LATIN CAPITAL LETTER X ≈ <wide> 0058 X
FF1B	;	FULLWIDTH SEMICOLON ≈ <wide> 003B ;	FF39	Y	FULLWIDTH LATIN CAPITAL LETTER Y ≈ <wide> 0059 Y
FF1C	<	FULLWIDTH LESS-THAN SIGN ≈ <wide> 003C <	FF3A	Z	FULLWIDTH LATIN CAPITAL LETTER Z ≈ <wide> 005A Z
FF1D	=	FULLWIDTH EQUALS SIGN ≈ <wide> 003D =	FF3B	[	FULLWIDTH LEFT SQUARE BRACKET ≈ <wide> 005B [
FF1E	>	FULLWIDTH GREATER-THAN SIGN ≈ <wide> 003E >	FF3C	\	FULLWIDTH REVERSE SOLIDUS ≈ <wide> 005C \
			FF3D	]	FULLWIDTH RIGHT SQUARE BRACKET ≈ <wide> 005D]

FF3E	ˆ	FULLWIDTH CIRCUMFLEX ACCENT ≈ <wide> 005E ˆ
FF3F	—	FULLWIDTH LOW LINE ≈ <wide> 005F _
FF40	˘	FULLWIDTH GRAVE ACCENT ≈ <wide> 0060 ˘
FF41	a	FULLWIDTH LATIN SMALL LETTER A ≈ <wide> 0061 a
FF42	b	FULLWIDTH LATIN SMALL LETTER B ≈ <wide> 0062 b
FF43	c	FULLWIDTH LATIN SMALL LETTER C ≈ <wide> 0063 c
FF44	d	FULLWIDTH LATIN SMALL LETTER D ≈ <wide> 0064 d
FF45	e	FULLWIDTH LATIN SMALL LETTER E ≈ <wide> 0065 e
FF46	f	FULLWIDTH LATIN SMALL LETTER F ≈ <wide> 0066 f
FF47	g	FULLWIDTH LATIN SMALL LETTER G ≈ <wide> 0067 g
FF48	h	FULLWIDTH LATIN SMALL LETTER H ≈ <wide> 0068 h
FF49	i	FULLWIDTH LATIN SMALL LETTER I ≈ <wide> 0069 i
FF4A	j	FULLWIDTH LATIN SMALL LETTER J ≈ <wide> 006A j
FF4B	k	FULLWIDTH LATIN SMALL LETTER K ≈ <wide> 006B k
FF4C	l	FULLWIDTH LATIN SMALL LETTER L ≈ <wide> 006C l
FF4D	m	FULLWIDTH LATIN SMALL LETTER M ≈ <wide> 006D m
FF4E	n	FULLWIDTH LATIN SMALL LETTER N ≈ <wide> 006E n
FF4F	o	FULLWIDTH LATIN SMALL LETTER O ≈ <wide> 006F o
FF50	p	FULLWIDTH LATIN SMALL LETTER P ≈ <wide> 0070 p
FF51	q	FULLWIDTH LATIN SMALL LETTER Q ≈ <wide> 0071 q
FF52	r	FULLWIDTH LATIN SMALL LETTER R ≈ <wide> 0072 r
FF53	s	FULLWIDTH LATIN SMALL LETTER S ≈ <wide> 0073 s
FF54	t	FULLWIDTH LATIN SMALL LETTER T ≈ <wide> 0074 t
FF55	u	FULLWIDTH LATIN SMALL LETTER U ≈ <wide> 0075 u
FF56	v	FULLWIDTH LATIN SMALL LETTER V ≈ <wide> 0076 v
FF57	w	FULLWIDTH LATIN SMALL LETTER W ≈ <wide> 0077 w
FF58	x	FULLWIDTH LATIN SMALL LETTER X ≈ <wide> 0078 x
FF59	y	FULLWIDTH LATIN SMALL LETTER Y ≈ <wide> 0079 y
FF5A	z	FULLWIDTH LATIN SMALL LETTER Z ≈ <wide> 007A z
FF5B	{	FULLWIDTH LEFT CURLY BRACKET ≈ <wide> 007B {
FF5C	|	FULLWIDTH VERTICAL LINE ≈ <wide> 007C |

FF5D	}	FULLWIDTH RIGHT CURLY BRACKET ≈ <wide> 007D }
FF5E	~	FULLWIDTH TILDE ≈ <wide> 007E ~

Fullwidth brackets

FF5F	((	FULLWIDTH LEFT WHITE PARENTHESIS • the most commonly occurring glyph variant looks like doubled parentheses → 2E28 ((left double parenthesis ≈ <wide> 2985 (
FF60	))	FULLWIDTH RIGHT WHITE PARENTHESIS ≈ <wide> 2986)

Halfwidth CJK punctuation

See *CJK punctuation 3000 - 303F*

FF61	。	HALFWIDTH IDEOGRAPHIC FULL STOP ≈ <narrow> 3002 。
FF62	⌈	HALFWIDTH LEFT CORNER BRACKET ≈ <narrow> 300C ⌈
FF63	⌋	HALFWIDTH RIGHT CORNER BRACKET ≈ <narrow> 300D ⌋
FF64	、	HALFWIDTH IDEOGRAPHIC COMMA ≈ <narrow> 3001 、

Halfwidth Katakana variants

See *Katakana 30A0 - 30FF*

FF65	・	HALFWIDTH KATAKANA MIDDLE DOT ≈ <narrow> 30FB ・
FF66	ヲ	HALFWIDTH KATAKANA LETTER WO ≈ <narrow> 30F2 ヲ
FF67	ァ	HALFWIDTH KATAKANA LETTER SMALL A ≈ <narrow> 30A1 ァ
FF68	ィ	HALFWIDTH KATAKANA LETTER SMALL I ≈ <narrow> 30A3 イ
FF69	ゥ	HALFWIDTH KATAKANA LETTER SMALL U ≈ <narrow> 30A5 ウ
FF6A	エ	HALFWIDTH KATAKANA LETTER SMALL E ≈ <narrow> 30A7 エ
FF6B	オ	HALFWIDTH KATAKANA LETTER SMALL O ≈ <narrow> 30A9 オ
FF6C	ャ	HALFWIDTH KATAKANA LETTER SMALL YA ≈ <narrow> 30E3 ャ
FF6D	ユ	HALFWIDTH KATAKANA LETTER SMALL YU ≈ <narrow> 30E5 ュ
FF6E	ヨ	HALFWIDTH KATAKANA LETTER SMALL YO ≈ <narrow> 30E7 ヨ
FF6F	ヅ	HALFWIDTH KATAKANA LETTER SMALL TU ≈ <narrow> 30C3 ヅ
FF70	ー	HALFWIDTH KATAKANA-HIRAGANA PROLONGED SOUND MARK ≈ <narrow> 30FC ー
FF71	ア	HALFWIDTH KATAKANA LETTER A ≈ <narrow> 30A2 ア
FF72	イ	HALFWIDTH KATAKANA LETTER I ≈ <narrow> 30A4 イ
FF73	ウ	HALFWIDTH KATAKANA LETTER U ≈ <narrow> 30A6 ウ
FF74	エ	HALFWIDTH KATAKANA LETTER E ≈ <narrow> 30A8 エ
FF75	オ	HALFWIDTH KATAKANA LETTER O ≈ <narrow> 30AA オ
FF76	カ	HALFWIDTH KATAKANA LETTER KA ≈ <narrow> 30AB カ

FFB3	ㅸ	HALFWIDTH HANGUL LETTER SSANGPIEUP ≈ <narrow> 3143 ㅸ
FFB4	ㅹ	HALFWIDTH HANGUL LETTER PIEUP-SIOS ≈ <narrow> 3144 ㅹ
FFB5	ㅺ	HALFWIDTH HANGUL LETTER SIOS ≈ <narrow> 3145 ㅺ
FFB6	ㅻ	HALFWIDTH HANGUL LETTER SSANGSIOS ≈ <narrow> 3146 ㅻ
FFB7	ㅼ	HALFWIDTH HANGUL LETTER IEUNG ≈ <narrow> 3147 ㅼ
FFB8	ㅽ	HALFWIDTH HANGUL LETTER CIEUC ≈ <narrow> 3148 ㅽ
FFB9	ㅿ	HALFWIDTH HANGUL LETTER SSANGCIEUC ≈ <narrow> 3149 ㅿ
FFBA	ㅾ	HALFWIDTH HANGUL LETTER CHIEUCH ≈ <narrow> 314A ㅾ
FFBB	ㅿ	HALFWIDTH HANGUL LETTER KHIEUKH ≈ <narrow> 314B ㅿ
FFBC	ㅿ	HALFWIDTH HANGUL LETTER THIEUTH ≈ <narrow> 314C ㅿ
FFBD	ㅿ	HALFWIDTH HANGUL LETTER PHIEUPH ≈ <narrow> 314D ㅿ
FFBE	ㅿ	HALFWIDTH HANGUL LETTER HIEUH ≈ <narrow> 314E ㅿ
FFBF	▣	<reserved>
FFC0	▣	<reserved>
FFC1	▣	<reserved>
FFC2	ㅑ	HALFWIDTH HANGUL LETTER A ≈ <narrow> 314F ㅑ
FFC3	ㅒ	HALFWIDTH HANGUL LETTER AE ≈ <narrow> 3150 ㅒ
FFC4	ㅓ	HALFWIDTH HANGUL LETTER YA ≈ <narrow> 3151 ㅓ
FFC5	ㅔ	HALFWIDTH HANGUL LETTER YAE ≈ <narrow> 3152 ㅔ
FFC6	ㅕ	HALFWIDTH HANGUL LETTER EO ≈ <narrow> 3153 ㅕ
FFC7	ㅖ	HALFWIDTH HANGUL LETTER E ≈ <narrow> 3154 ㅖ
FFC8	▣	<reserved>
FFC9	▣	<reserved>
FFCA	ㅗ	HALFWIDTH HANGUL LETTER YEO ≈ <narrow> 3155 ㅗ
FFCB	ㅛ	HALFWIDTH HANGUL LETTER YE ≈ <narrow> 3156 ㅛ
FFCC	ㅜ	HALFWIDTH HANGUL LETTER O ≈ <narrow> 3157 ㅜ
FFCD	ㅝ	HALFWIDTH HANGUL LETTER WA ≈ <narrow> 3158 ㅝ
FFCE	ㅞ	HALFWIDTH HANGUL LETTER WAE ≈ <narrow> 3159 ㅞ
FFCF	ㅟ	HALFWIDTH HANGUL LETTER OE ≈ <narrow> 315A ㅟ
FFD0	▣	<reserved>
FFD1	▣	<reserved>
FFD2	ㅠ	HALFWIDTH HANGUL LETTER YO ≈ <narrow> 315B ㅠ
FFD3	ㅡ	HALFWIDTH HANGUL LETTER U ≈ <narrow> 315C ㅡ
FFD4	ㅢ	HALFWIDTH HANGUL LETTER WEO ≈ <narrow> 315D ㅢ

FFD5	ㅣ	HALFWIDTH HANGUL LETTER WE ≈ <narrow> 315E ㅣ
FFD6	ㅤ	HALFWIDTH HANGUL LETTER WI ≈ <narrow> 315F ㅤ
FFD7	ㅥ	HALFWIDTH HANGUL LETTER YU ≈ <narrow> 3160 ㅥ
FFD8	▣	<reserved>
FFD9	▣	<reserved>
FFDA	ㅦ	HALFWIDTH HANGUL LETTER EU ≈ <narrow> 3161 ㅦ
FFDB	ㅧ	HALFWIDTH HANGUL LETTER YI ≈ <narrow> 3162 ㅧ
FFDC	ㅨ	HALFWIDTH HANGUL LETTER I ≈ <narrow> 3163 ㅨ

Fullwidth symbol variants*See Latin-1 00A0 - 00FF*

FFE0	¢	FULLWIDTH CENT SIGN ≈ <wide> 00A2 ¢
FFE1	£	FULLWIDTH POUND SIGN ≈ <wide> 00A3 £
FFE2	¬	FULLWIDTH NOT SIGN ≈ <wide> 00AC ¬
FFE3	—	FULLWIDTH MACRON • sometimes treated as fullwidth overline → 203E — overline ≈ <wide> 00AF
FFE4	‡	FULLWIDTH BROKEN BAR ≈ <wide> 00A6 ‡
FFE5	₩	FULLWIDTH YEN SIGN ≈ <wide> 00A5 ₩
FFE6	₩	FULLWIDTH WON SIGN ≈ <wide> 20A9 ₩

Halfwidth symbol variants

FFE8	|	HALFWIDTH FORMS LIGHT VERTICAL ≈ <narrow> 2502 |
FFE9	←	HALFWIDTH LEFTWARDS ARROW ≈ <narrow> 2190 ←
FFEA	↑	HALFWIDTH UPWARDS ARROW ≈ <narrow> 2191 ↑
FFEB	→	HALFWIDTH RIGHTWARDS ARROW ≈ <narrow> 2192 →
FFEC	↓	HALFWIDTH DOWNWARDS ARROW ≈ <narrow> 2193 ↓
FFED	■	HALFWIDTH BLACK SQUARE ≈ <narrow> 25A0 ■
FFEE	○	HALFWIDTH WHITE CIRCLE ≈ <narrow> 25CB ○